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(54) MORPHANTHRIDINE DERIVATIVE

(57)Abstract:

NEW MATERIAL: A compound of formula I [R is H, may incorporate with R¹ to form formula IV (R⁶ is H, lower alkyl); R¹ is H, carboxyl, -(A)_nCOR⁴[A is lower alkylene; n is 0, 1; R⁴ is lower alkylamino-lower alkoxy, formula V (R⁵ is lower alkyl which may have hydroxyls)], lower alkylaminocarbonyl; R² is H, carboxy-lower alkyl, lower alkyl, lower alkoxy-carbonyl lower alkyl, phenylalkyl which may be substituted with lower alkoxy groups on its phenyl ring, lower alkynyl].

EXAMPLE: 11-Diethylaminoethoxycarbonyl-5-methyl-6-oxomorphanthridine.

USE: Antiulcerative, anti-inflammatory, cardiotonic, antiarrhythmia or diuretic.

PREPARATION: The reaction of a compound of formula 2 with another compound of formula 3 (R⁷ is lower alkylamino-lower alkyl) is carried out under usual esterification reaction conditions to give a compound of formula 1a.

